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Oxides, Production, *Electrolytes, TemperatureI. Hahn, G.
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cl. 12 o 11, internat. cl. C 07 c, by Kalk Chemical
Works, Inc., appl. 8 Apr 57, announcement of appl. :
and issue of specification 15 June 60, issue of patent
1 Dec 60.

DESCRIPTORS: *Formates, Monoxides, Carbon com-
pounds, Carbonates, Catalysts, Processing, Chemical
reactions, *Alkali metal compounds.

A process is described for the manufacture of alkali
formates through conversion of 1 to 50% solutions or
suspensions of alkali bicarbonates under elevated pres-
sure and at elevated temperature with carbon monoxide
or gas mixtures containing carbon monoxide and some-
times hydrogen, sometimes with addition of catalysts
(Chemistry--Physical, TT, v. 6, no. 6) (over)

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DESCRIPTORS: *Krypton, *Xenon, *Isotope separation,
Uranium, Rubidium, Half life, Material separation,
Adsorption, Carbon, Transformations, Radioactive
decay.

(Nuclear Physics--Isotope Separation, TT, v. 9, no. 12)

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pounds, *Nickel compounds, *Radioactivation analysis,
Chemical precipitation, *Thorium, *Actinium,
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TT-64-14254

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Trans. of Stahl und Eisen (Germany) 1941, v. 61,
3 July, p. 654-658.

DESCRIPTORS: *Sintering, *Blast furnaces, *Ores,
Design, Mixtures, *Iron industry, Hoists, Locomo-
tive cranes, Conveyors, Industrial equipment, *Sin-
ters, Waste gases, Blowers.

(Metallurgy, TT, v. 6, no. 12)

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II. Title: Verein ...

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Patented by Farbenfabriken Bayer A. G., Leverkusen,
Germany, 2 May 61 (Priority: Germany, appl. F 31,157
IVb/12qa, 4 May 60).

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F 31 157

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DESCRIPTORS: *Radio stations, *Radio transmitters,
*Germany, Radio communication systems, Operation.

(Research Methods--Communication Theory, TT,
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DESCRIPTORS: *Diene syntheses, *Heterocyclic
compounds.

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(Chemistry--Organic, TT, v. 6, no. 5)

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DESCRIPTORS: *Applied mathematics, *Stability, Con-
trol systems, Cybernetics

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ON THE APPLICATION OF THE SECOND METHOD
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DESCRIPTORS: *Difference equations, Numerical
methods and procedures, Special functions, Theory.

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called Second or Direct Method of Lyapunov. A few
general theorems of the method are proved in the form
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($t = t_0, t_0 + 1, \dots$), where an immediate application of
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(Mathematics, TT, v. 7, no. 3) (over)

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I. Hahn, W.

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Sci - Engineering, Mathematics

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SLA Tr 57-916

Sci - Physics

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